REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L38 ANSWER 25 OF 44 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:669446 HCAPLUS Full-text
DOCUMENT NUMBER: 137:201744
TITLE: Improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts
INVENTOR(S): Hofmann, Joerg; Ehlers, Stephan; Klinksiek, Bernd; Klesczewski, Bert; Steinlein, Christian; Obendorf, Lars; Pielartzik, Harald
PATENT ASSIGNEE(S): Bayer AG, Germany
SOURCE: Ger. Offen., 8 pp.
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DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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DE 10108485	A1	20020905	DE 2001-10108485	20010222
CA 2438645	AA	20020906	CA 2002-2438645	20020211
WO 2002068502	A1	20020906	WO 2002-EP1397	20020211
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1366106	A1	20031203	EP 2002-704707	20020211
EP 1366106	B1	20041117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1501953	A	20040602	CN 2002-805434	20020211
BR 2002007512	A	20040727	BR 2002-7512	20020211
AT 282655	E	20041215	AT 2002-704707	20020211
JP 2005506392	T2	20050303	JP 2002-568009	20020211
PT 1366106	T	20050331	PT 2002-704707	20020211
ES 2233798	T3	20050616	ES 2002-2704707	20020211
US 2002198278	A1	20021226	US 2002-77855	20020219
US 6670406	B2	20031230		
TW 232227	B1	20050511	TW 2002-91102854	20020220
HK 1066231	A1	20051111	HK 2004-109160	20041119
PRIORITY APPLN. INFO.:			DE 2001-10108485 A	20010222
			WO 2002-EP1397 W	20020211

AB Procedure for preparation of ***polyether polyols*** by polyaddn. of alkylene oxides to active H-containing starting materials in the presence of double metal cyanide catalysts (DMC), whereby the reaction mixture is 1-1000 times led through a zone of energy d. ≥5 + 105 J/m3 and has a residence time ≥10-6 s. The ***polyether polyols*** prepared by a jet mixer have improved foaming properties and may be used for preparation of flexible polyurethane foams. Thus, a trifunctional polyol of mol. weight 3,000 g/mol was prepared from glycerol and propylene oxide at 130° using a DMC catalyst and by treatment with a jet mixer. Then, to a mixture of 100 g polyol, 6 g H2O, 0.60 g silicone

stabilizer (Tegostab BF 2370), 0.15 g Desmorapid SO, and 0.10 g bis(dimethylamino)ethyl ether (as catalysts), 73.40 g Desmodur T80 was admixed under stirring. The foaming mixture was 30 min stored in a drying oven at 100°. The foam was of fine, regular cell structure without any cracks and collapses.

IC ICM C08G065-10
ICS C08G065-26; C08G018-48

CC 35-7 (Chemistry of Synthetic High Polymers)

ST ***polyether polyol*** double metal cyanide catalyst prepn; polyurethane flexible foam ***polyether polyol*** DMC prepn; glycerol propylene oxide polyol Desmodur T80 polyurethane foam; sorbitol propylene oxide polyol Desmodur T80 hydrazine polyurethane foam

IT Polymerization catalysts
(double metal cyanide; improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT Plastic foams
RL: TEM (Technical or engineered material use); USES (Uses)
(flexible; improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT Polyoxyalkylenes, preparation
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT Mixers (processing apparatus)
(jet; improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT ***Polyurethanes, preparation***
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyoxyalkylene-, flexible foams; improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT 301-10-0, Desmorapid SO 3033-62-3, Bis(dimethylamino)ethyl ether
RL: CAT (Catalyst use); USES (Uses)
(for polyurethane preparation; improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT 52625-13-5P, Propylene oxide-sorbitol copolymer ***151274-15-6P***, Poly[oxy(methyl-1,2-ethanediyl)], α,α',α''-1,2,3-propanetriyltris[ω-hydroxy-polymer with Desmodur T80 ***452962-84-4P***
RL: PRP (Properties); ***SPN (Synthetic preparation)***; TEM (Technical or engineered material use); ***PREP (Preparation)***; USES (Uses)
(improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT 25791-96-2P, Glycerol-propylene oxide copolymer
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT 75-65-0, tert.-Butanol, uses
RL: CAT (Catalyst use); USES (Uses)
(ligand of DMC catalyst, for polyol preparation; improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT ***14049-79-7***, Zinchexacyanocobaltate
RL: ***CAT (Catalyst use)***; USES (Uses)

(with tert.-butanol ligands, for polyol preparation; improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

IT ***151274-15-6P***, Poly[oxy(methyl-1,2-ethanediyl)], α,α',α''-1,2,3-propanetriyltris[ω-hydroxy-polymer with Desmodur T80 ***452962-84-4P***
RL: PRP (Properties); ***SPN (Synthetic preparation)***; TEM (Technical or engineered material use); ***PREP (Preparation)***; USES (Uses)
(improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)

RN 151274-15-6 HCAPLUS

CN Poly[oxy(methyl-1,2-ethanediyl)], α,α',α''-1,2,3-propanetriyltris[ω-hydroxy-, polymer with Desmodur T 80 (9CI) (CA INDEX NAME)

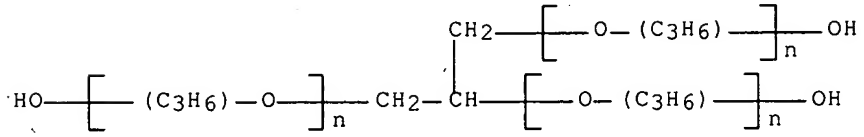
CM 1

CRN 55887-98-4
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 25791-96-2
CMF (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C3 H8 O3
CCI IDS, PMS



RN 452962-84-4 HCAPLUS

CN Hydrazine, polymer with Desmodur T 80 and α-hydro-ω-hydroxy[poly[oxy(methyl-1,2-ethanediyl)]] ether with D-glucitol (6:1) (9CI) (CA INDEX NAME)

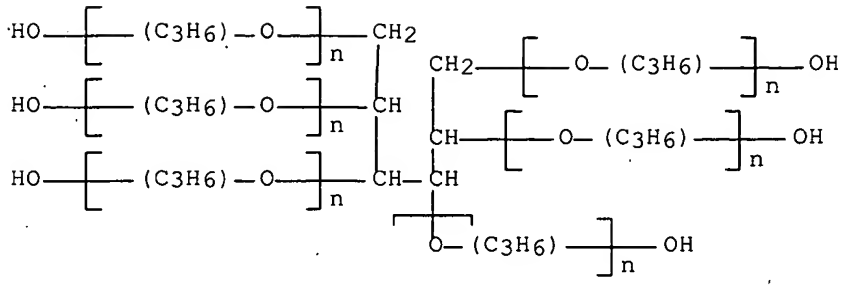
CM 1

CRN 55887-98-4
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 52625-13-5
CMF (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C6 H14 O6
CCI IDS, PMS

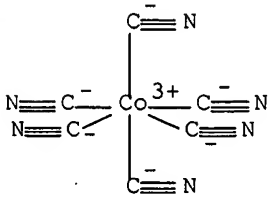


CM 3

CRN 302-01-2
CMF H4 N2

$H_2N—NH_2$

IT ***14049-79-7***, Zinchexacyanocobaltate
RL: ***CAT (Catalyst use)***; USES (Uses)
(with tert.-butanol ligands, for polyol preparation; improved method for preparation of ***polyether polyols*** with double metal cyanide catalysts)
RN 14049-79-7 HCAPLUS
CN Cobaltate(3-), hexakis(cyano-κC)-, zinc (2:3), (OC-6-11)- (9CI) (CA INDEX NAME)



●3/2 Zn^{2+}